

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
2 June 2005 (02.06.2005)

PCT

(10) International Publication Number
WO 2005/049340 A1

(51) International Patent Classification⁷: **B60C 11/00**,
9/18, C08K 9/04

(21) International Application Number:
PCT/EP2003/012137

(22) International Filing Date: 31 October 2003 (31.10.2003)

(25) Filing Language: English

(26) Publication Language: English

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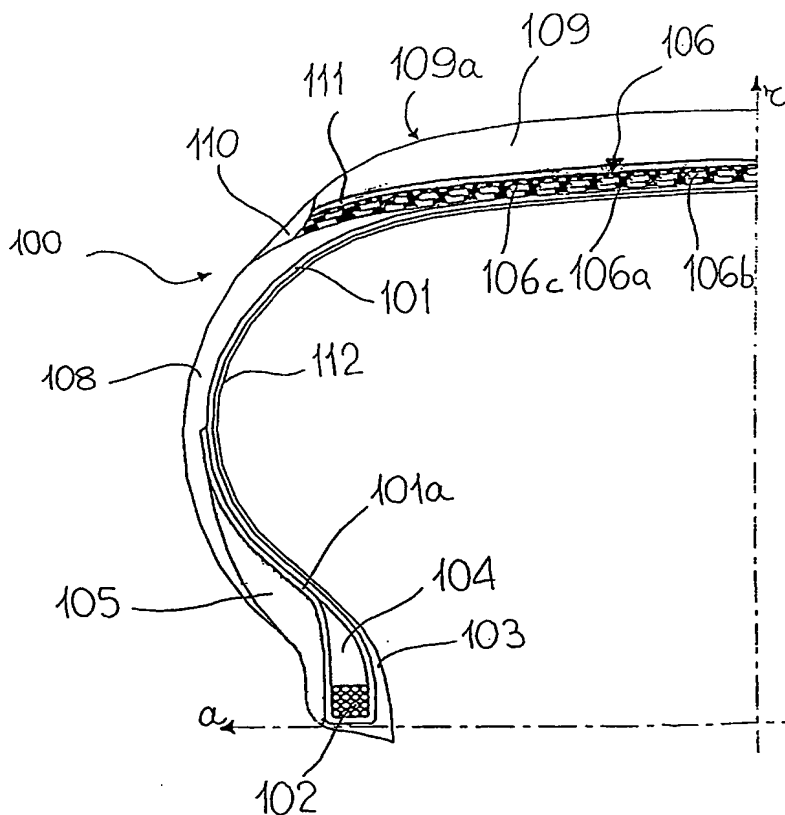
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(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),

[Continued on next page]

(54) Title: HIGH-PERFORMANCE TYRE FOR VEHICLE WHEELS



(57) Abstract: Tyre (100) for vehicle wheels, comprising: - a carcass structure (101) shaped in a substantially toroidal configuration, the opposite lateral edges of which are associated with respective right-hand and left-hand bead wires (102) to form respective beads; - a belt structure (106) applied in a radially external position with respect to said carcass structure; - a tread band (109) radially superimposed on said belt structure; - at least one layer of crosslinked elastomeric material (111) applied in a radially internal position with respect to said tread band; - a pair of sidewalls (108) applied laterally on opposite sides with respect to said carcass structure; wherein said at least one layer of crosslinked elastomeric material has the following characteristics: - a dynamic elastic modulus (E'), measured at 70°C, not lower than 20 MPa, preferably of from 25 MPa to 50 MPa; - a ratio between tensile modulus at 100% elongation (M_{100}) and tensile modulus at 10% elongation (M_{10}) not lower than 1.5, preferably of from 2 to 5. Preferably said at least one layer of crosslinked elastomeric material is placed between said tread band and said belt structure.



European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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